Thursday, April 25 2024

10:00 - 11:30	**Arrival and registration of industrial partners**
11:30 - 12:00	**Arrival and registration of attendees/members**
12:00 - 13:00	**Lunch and sponsor trade show**
13:00 - 13:15	**OPENING BASIS 2023**
13:15 - 13:30	How to guarantee authenticity and traceability of agri-food and supplements products thanks to the application of isotopic analysis of bioelements *Matteo Perini*
13:30 - 13:45	Impact of the site of absorption on the systemic bioavailability of short-chain fatty acids (SCFA)– a study design. *Riet Rosseel*
13:45 - 14:00	Sea turtle soup? Isotopic clues in archaeological sea turtle remains from the Netherlands *Willemien de Kock*
14:00 - 14:15	Trophic strategies (C and N isotopic signatures) of three species of Caribbean corals across an extreme environmental gradient in Curaçao *Sarah L Solomon*
14:15 - 14:30	GC-IRMS: an overview of injection techniques – features and benefits *Maria de Castro*
14:30 - 15:25	**COFFEE BREAK - TRADE SHOW – POSTER SESSION** *Authors posters 1-10 be present from 14:30-14:55* *Authors posters 11-20 be present from 14:55-15:25*
15:25 - 15:40	Back-to-basics: Can primary references be defined on your IRMS? *Dipayan Paul*
15:40 - 15:55	Using Isotopic and Chemical Tracers to Investigate Groundwater Residence Time and Recharge Mechanisms in a Semi-Arid Climate: Insights from Northern Morocco *Mohammed Hssaisoune*
15:55 - 16:10	Paving the way for a new frontier: carbon stable isotope ratio analysis using orbitrap mass spectrometry *Merve Öztoprak Tomečková*
16:10 - 16:25	Development of an LC-IRMS Method for Steroid Analysis in Urine *Lenka Honesova*
16:25 - 16:40	Investigating whole-body fructose catabolism in vivo using stable isotopes to identify new anti-obesity targets. *Melany Rios-Morales*
16:40 - 16:55	Shedding (sun)light on animal-microbe interactions using stable isotopes *Michelle Achlatis*
17:30 - 19:00	**Social event**
19:00	**Dinner @ Restaurant de Waag**

Friday, April 26 2024

9:00 - 9:15	Gross Nitrogen Transformation rates in Four Luxembourg Beech Forests along a pH gradient *Mengru Jia*
9:15 - 9:30	Radiocarbon and bulk isotope measurements of subglacial carbon dioxide and methane at the western margin of the Greenland ice sheet *Getachew Agmuas Adnew*
9:30 - 9:45	Evaluating the potential of the 13C-signature of organic aerosols to determine the effect of photochemical ageing reactions. *Ellis de Wit*
9:45 - 10:00	A 75-year record of North Sea food web dynamics based on the stable nitrogen isotopic composition of amino acids from harbor porpoise (Phocoena phocoena). *Philip Riekenberg*
10:00 - 10:15	High precision stable isotope analysis of carbonate and water samples for paleoclimate applications using the Elementar iso DUAL INLET *Mike Seed*
10:15 - 10:40	**COFFEE BREAK –TRADE SHOW – POSTER SESSION**
10:40 - 10:55	(Finally) a decision on the 13C isotope scale(s)! *Harro Meijer*
10:55 - 11:10	Deciphering methane dynamics in the urban ponds of the city of Brussels using carbon stable isotope ratios *Thomas Bauduin*
11:10 - 11:25	Stable nitrogen and carbon isotope analysis of geoporphyrins in the geological record measured by high-sensitivity EA/IRMS to asses changes in the phototrophic community *Marisa Storm*
11:25 - 11:40	Spatio-temporal distribution of nutrient input and its effect on coral reef food web dynamics along the coast of Curaçao *Nienke C.J. van de Loosdrecht*
11:40 - 11:55	Pathway specific bulk and clumped isotopic signatures of methane production in a marine lake sediment *Sivan Malavika*
11:55 - 12:10	Aeris Technologies : CO2 Ratiometer *Hans Helsen*
12:10 - 12:30	**LEDENVERGADERING – Members meeting 2024**
12:30 - 13:30	**Lunch and sponsor trade show**
13:30 - 13:45	Connecting two different isotope worlds through pyrolysis. *Anita Aerts-Bijma*

13:45 - 14:00	Integrating stable isotopes and dietary data to uncover trophic interactions in North Pacific pelagic food webs *Genyffer Troina*
14:00 - 14:15	Compound specific chlorine isotope analysis (CSIA-Cl) using low- and high-resolution GC-EI-MS: Method development and selected applications for chemical warfare agent markers *Adriaan Marais*
14:15 - 14:30	Combining 13C, 15N, and 2H to measure feeding and metabolic activity of marine, shallow-water sponges – a pilot study *Tanja Stratmann*
14:30 - 14:45	Use of principal components analysis to study complex aquifers with scarce data *Azzedine HANI*
14:45 - 15:00	GC-IRMS: an overview of injection techniques – features and benefits *Mario Tuthorn*

15:00 - 15:35 Young Scientist award - Closing